

Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the application:

1. (Canceled)
2. (Currently amended) The door latching and electrical connection device of claim [[1]] 5, wherein the bar has two ends and the electrical connector is attached to one end of the bar.
3. (Currently amended) The door latching and electrical connection device of claim [[1]] 5, further comprising a handle attached to the bar.
4. (Canceled)
5. (Currently amended) A latching and electrical connection device for an appliance having a door, comprising:
a bar that latches the door in a closed position;
a first electrical connector attached to the bar that provides a connection between the bar and the appliance when the bar is in a latched position;
a combustion device having a combustion chamber;
an attaching member configured to secure one end of the bar to the combustion device in a manner to cause the bar to block the door from opening when the bar is in the latched position;
a second electrical connector configured to mate with the first electrical connector and provide an electrical connection when the bar is in the latched position; and
~~The door latching and electrical connection device of claim 4, further comprising:~~

insulation mounted on the bar and configured to impede heat transfer from the combustion device to the bar.

6. (Currently amended) The door latching and electrical connection device of claim [[4]] 5, further comprising electrical insulation surrounding the electrical connector and configured to insulate the electrical connector from the bar.

7. (Currently amended) The door latching and electrical connection device of claim [[4]] 8, wherein the bar is contoured to complement the shape of the door.

8. (Currently amended) A latching and electrical connection device for an appliance having a door, comprising:

a bar that latches the door in a closed position;

a first electrical connector attached to the bar that provides a connection between the bar and the appliance when the bar is in a latched position;

a combustion device having a combustion chamber; and

an attaching member configured to secure one end of the bar to the combustion device in a manner to cause the bar to block the door from opening when the bar is in the latched position;

a second electrical connector configured to mate with the first electrical connector and provide an electrical connection when the bar is in the latched position ~~The door latching and electrical connection device of claim 4, wherein combustion may only be initiated in the combustion chamber when an electrical connection is made by the first electrical connector with the second electrical connector.~~

9. (Currently amended) The door latching and electrical connection device of claim [[4]] 8, wherein one of the first and second electrical connectors includes a plug with keyed prongs.

10. (Currently amended) The door latching and electrical connection device of claim [[4]] 8, wherein combustion can only occur in the combustion chamber when an electrical connection exists between the first electrical connector and the second electrical connector.

11. (Canceled)

12. (Currently amended) The door latching and electrical connection device of claim [[11]] 14, further comprising means for gripping the latching means bar.

13. (Canceled)

14. (Currently amended) A door latching and electrical connection device for an appliance having a door, comprising:

means for positioning a first end of a latching bar so as to latch the door closed;
first electrical connection means for providing an electrical connection between the latching bar and the appliance when the door is latched closed;
a combustion device having a combustion chamber;
a door attached to the combustion device and configured to provide access to the combustion chamber;

an attaching member configured to secure the first end of the latching bar to the combustion device in a manner to cause the latching bar to block the door from opening;

second electrical connection means for providing an electrical connection configured to mate with the first electrical connection means to provide an electrical connection when the door is latched closed by the latching bar;

a latching structure attached to the first electrical connection means and latching to a corresponding structure on the second electrical connection means; and

~~The door latching and electrical connection device of claim 13, further comprising:~~

means for impeding heat transfer from the combustion device to the latching means bar,
wherein the means for impeding heat transfer comprises a thermally resistive component
interposed between the combustion device and at least a portion of the latching bar.

15. (Currently amended) The door latching and electrical connection device of claim [[13]] 14, further comprising electrical insulation surrounding the means for providing an electrical connection and configured to insulate the electrical connection from the latching means bar.

16. (Currently amended) The door latching and electrical connection device of claim [[13]] 14, wherein combustion may only be initiated in the combustion chamber when an electrical connection is made between the first means for providing an electrical connection and the second means for providing an electrical connection.

17. (Currently amended) The door latching and electrical connection device of claim [[13]] 14, wherein combustion may only occur in the combustion chamber when an electrical connection exists between the first means for providing an electrical connection and the second means for providing an electrical connection.

18. (Canceled)

19. (Currently amended) The method of claim [[18]] 22, further comprising breaking the electrical connection when the bar is not blocking the door.

20. (Currently amended) The method of claim [[18]] 22, further comprising sending an electronic signal through the electrical connection to initiate burning in a combustion chamber.

21. (Currently amended) The method of claim [[18]] 22, further comprising moving the bar using a handle on the bar.

22. (Currently amended) A method of securing a door mounted on a device and making an electrical connection comprising:

blocking the door with a latching bar;

providing an electrical connector on the bar;

making an electrical connection by connecting the electrical connector to a second electrical connector mounted on the device when the bar is blocking the door; and

~~The method of claim 18, further comprising~~

stopping combustion in the device when the electrical connection is broken.

23. (Canceled)